Joint Non-Lethal Weapons Program (JNLWP) Update to 2003 Joint Services Small Arms Systems Section Annual Symposium

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This Briefing is Unclassified

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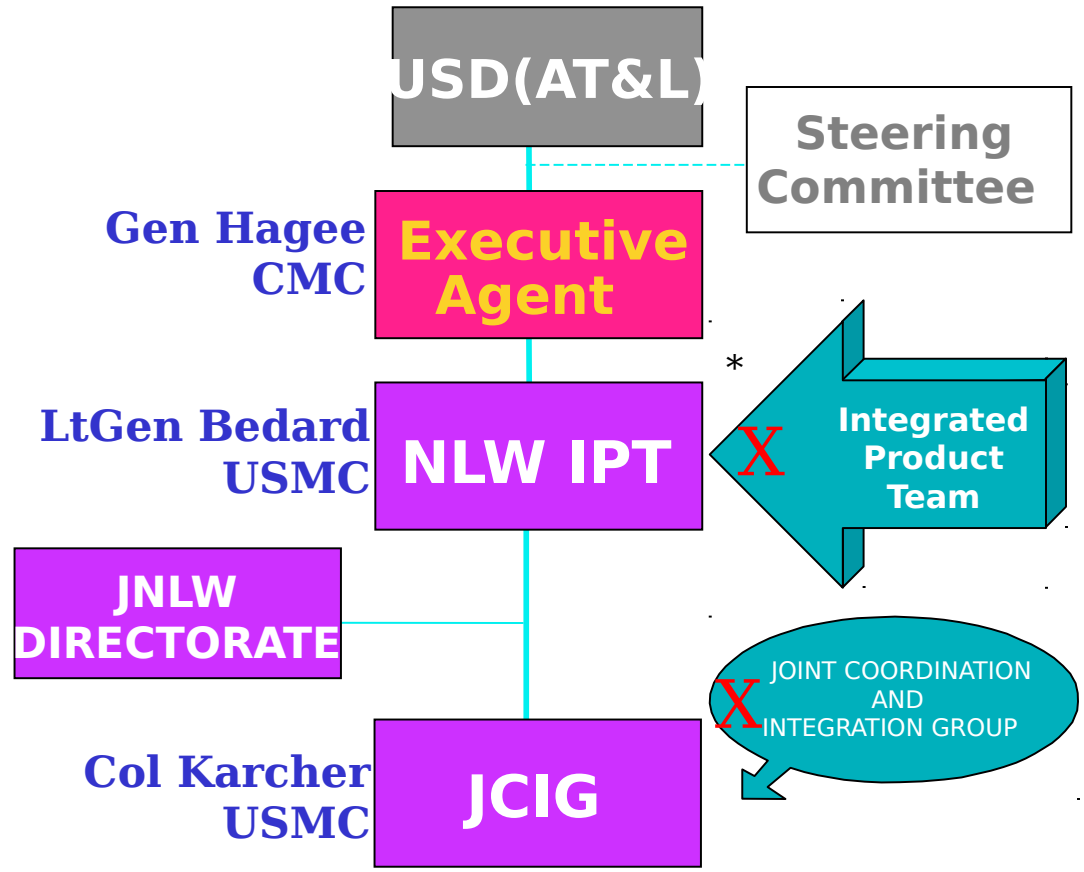
JNLWP Management Structure



USA: Mr Steenrod, Dir of Resources
USN: MajGen Battaglini, OPNAV / N75
*USAF:*Brig Gen Shamess, USAF/XOF
SOCOM: MG Bargewell, SOOP
USMC: MajGen Williams, DCG, MCCDC
USCG: RADM Olson, G-OC

COL Lamb, USAMPS / DCD
CAPT Trumbore , OPNAV / N757
Lt Col Rader, AFSFC / SFO
COL Bowman, SOCOM / SOOP-R
CAPT Deputy, G-OCU
Col DiFalco, MCCDC – Joint Coord

X: Non-Voting Members - DOS, DOJ, DOE, Joint Staff, COCOM & OSD

** Integrated Product Team provides guidance and approves JNLWP B*

IPT Responsibilities

- Approve DoD NLW **RDT&E POM Submission**
- Review / Resolve **Security, Environmental, Health & Safety** and Policy Issues
- Review **NLW MNS and ORDs** for Joint Applicability
- Develop and Approve the **DoD Requirements List** for Joint Programs
- Develop and Approve **JNLW Program Priorities**
- Develop and Approve **Lead Service Designations** for the Joint Programs (Requirements Lead and Acquisition Lead)
- Review and Approve the **Addition or Execution of DoD NLW RDT&E Programs**
- Review and Endorse the JNLWP Master Plan, Joint NLW Concept, and other **Joint Documents**

JNLWP Budget

(RDT&E Funding – PE 63851M)

	FY03	FY04	FY05	FY06	FY07	FY08	FY09
Core	$24.5M	$43.4M	$43.5M	$44.1M	$44.6M	$45.2M	$45.7M
Plus-Up	$1.4M						
Total	**$24.9M***	**$43.4M**	**$43.5M**	**$44.1M**	**$44.6M**	**$45.2M**	**$45.7M**

FY03 DOD Congressional Plus-Up*

$1.4 - NTIC

<u>Increase to Core Budget Categories</u>

New Acquisition Programs

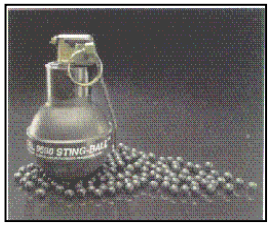
International / COCOM Interaction

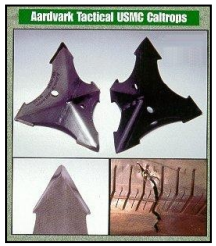
Human Effects Characterization

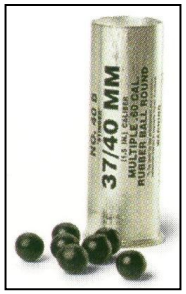
Pre-Milestone A Programs

Non-Lethal Technology Innovation Center

Fielded NLW Capabilities







Nonlethal Munitions

- 12 Gauge Point & Area Rounds
- 12 Gauge Sabot Rounds (Outboard Dis
- **40mm** Point & **Area Rounds**
- Flash Bang Grenades
- Stingball Grenades
- 66mm Smoke & CS Grenades
- Paintball Rounds (OC)
- **Modular Crowd Control Munition**

Other Items

- Shotguns / Lightweight Shotgun Syste
- Individual, Mid-Size & Squad Riot Cont
  Agent (CS, OC, CR & CN) Dispensers
- Caltrops / Stinger Spike Strips
- Tasers (M26)
- Riot Control Baton
- **Portable Vehicle Arresting Barrier**

Support Equipment

Force Protection Equipment

Training Items

Urgent / Operational Need Statements

- **Lightweight Shotgun System – USARER, 19 Mar 03**
- **Taser – USARER – 4 Feb 03**
- **Maritime NLCS – 7th Transportation Group**

JNLWP Validation Process

How do we determine the effort is suitable?

- Joint Mission Area Analysis
- Joint Mission Needs Analysis
- Operational Requirements Documents
- COCOM Integrated Priority List
- Panel Reviews and Recommendations (NSB, DSB)

DEFINE NEED

- Policy Review
- Technical Maturity Analysis
- Legal Review
- Human Effects Review Board

DEFINE APPROPRIATENESS

- Military Worth Analysis
- Cost Benefit Analysis
- Risk Analysis

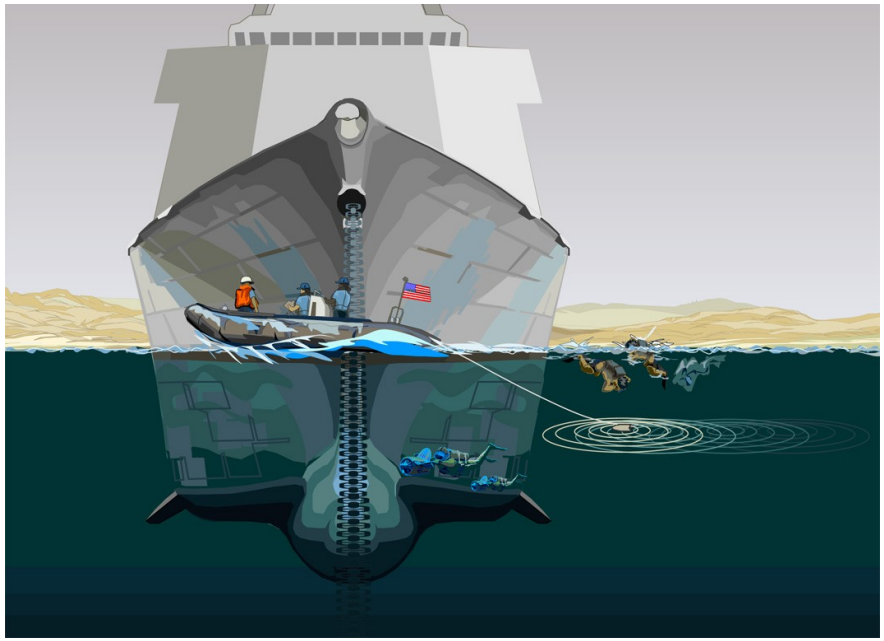
DETERMINE VALUE

Service / Agency NLW Requirements

- **USA**
  - NL Personnel & Vehicle Barriers
  - Scalable Effects Weapon
  - Clear Buildings
  - Extract Personnel from a Crowd
  - NL Access Control & Area Denial Capabilities
  - Securing Vehicles, Resupply and Rendezvous Sites when troops are away
  - Incapacitate Vehicles, Electronic Systems & Alarms from a distance
  - Incapacitate Crowds, Prisoners & Animals from a distance

Service / Agency NLW Requirements

- USCG
  - Stop Displacement Hull Vessels
  - Stop Jet Skies
  - Area Denial to Swimmers



- USN
  - Area Denial to Swimmers
  - Hailing & Warning Capability

- USMC
  - Increased Stand-Off Range & Volume of Fire for Crowd Control
  - Clear A Space Device – Render Incapable

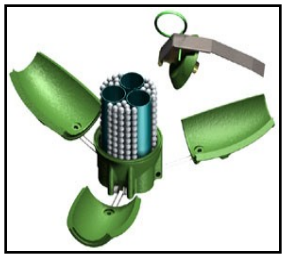
- USAF

  Nuclear Security – Missile Field & Weapons

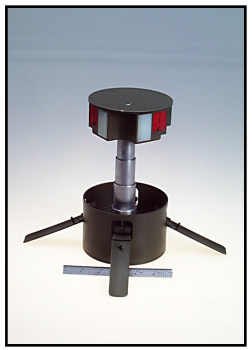
Acquisition Programs

66mm Vehicle Launched NL Grenades
- USMC WSESRB
- Material Release – 1QFY04

Mobility Denial System
- Completed Milestone B
- USA lost FY04-FY05 Procurement funding
- Anticipate FY04 / FY05 Unfunded Request



Clear-A-Space Distract Disorient
- Technology Demonstration phase declared
- FY03 $300K Unfunded Request submitted



Area Denial to Personnel
- **Hand Emplaced NL Munition**
  - Awaiting MDA's transition to TD
- MK-19 NL Long Range Cartridge
- Payload Analysis – OC Risk Characterization

Concept Exploration (CE) Efforts

Crowd Control

Area Denial to Vehicles

Area Denial to Boats

Pre Milestone A Programs

- **Mk 19 40mm NL Short Range Munition**
  - **Point & Area Blunt Impact Rounds**
  - **Potential OC/CS Round**
- **OICW - NL Round**
  - **RCA (CS) – Expected Payload**
- **NL Mortar Munition**
- **Pulsed Energy Projectile**

Advanced Concept Technology Demonstrations (ACTD's)

Advanced Tactical Laser

FY 01 New Start
CINC Sponsor: USSOCOM
Joint Sponsor: JNLWD
Technical Mgr: USA (SMDC)
Operational Mgr:

Active Denial System

FY 02 New Start
CINC Sponsor: JFCOM
Joint Sponsor: JNLWD
Technical Mgr: USAF (AFRL)
Operational Mgr: ACC

Program Summary

Provide an understanding of the Joint Non-lethal Weapons Program and its relevance for 21st Century Warfighting

- The JNLW Program has accomplished much since 1997:
  - Operational Success with Fielded NL Capability Sets
  - 6 New Acquisition Programs; 4 in production
  - Advancement of Directed Energy Technology
  - Warfighting COCOM visits
  - JROC endorsed Joint Mission Area Analysis
  - Joint Mission Need Statement for Non-Lethal Capabilities in staffing
- The JNLW Program is at a crossroads
  - Move forward beyond the rubber bullet modality
  - *Move forward with tactical, operational and strategic* ***transformational*** *capabilities*